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| - 81 |     |   |   |   |   |    |    |   |



Application/Control No.

10/574,860 Examiner

Date

Anne M. Gussow

Applicant(s)/Patent under Reexamination

KAWAI ET AL.

Art Unit

1643

| <b>√</b> | Rejected |
|----------|----------|
| _        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

Claim

| N | Non-Elected  |
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| _ | Interference |

| A | Appeal   |
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| Cla      | Date                       |          |          |                    |          |          |          |          |          |   |  |
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| Final    | Original                   | 70/6/7   |          |                    |          |          |          |          |          |   |  |
| <u> </u> |                            | 乚        |          | _                  | _        |          |          |          |          |   |  |
|          | 1                          | N        |          |                    |          |          | <u> </u> |          | L        | _ |  |
|          | 2<br>3<br>4<br>5           | N        |          | L                  | L        | L.       | L        | <u> </u> | <u> </u> |   |  |
|          | 3                          | N        | L        | L                  | <u> </u> |          |          |          |          |   |  |
|          | 4                          | N        |          |                    |          |          |          |          |          |   |  |
|          |                            | N        |          |                    |          |          |          |          |          |   |  |
|          | 6<br>7                     | N        |          |                    |          |          |          |          |          |   |  |
|          | 7                          | N        |          |                    |          |          |          |          |          |   |  |
|          | 8                          | N        |          |                    |          |          |          |          |          |   |  |
|          | 9                          | N        |          |                    |          | Г        |          |          |          |   |  |
|          | 10                         | N        |          |                    |          |          |          |          |          |   |  |
|          | 11                         | N        | L        |                    |          |          |          |          |          |   |  |
|          | 12<br>13                   | Ν        |          |                    |          |          |          |          |          |   |  |
|          | 13                         | Ν        |          |                    | L        |          |          |          |          |   |  |
|          | 14                         | N        |          |                    |          |          |          |          |          |   |  |
|          | 14<br>15<br>16<br>17<br>18 | V        |          |                    |          |          |          |          |          |   |  |
|          | 16                         | 1        |          |                    |          | L        |          |          |          |   |  |
|          | 17                         | 1        |          |                    |          |          |          |          |          |   |  |
|          | 18                         | 1        |          | ].                 |          |          |          |          |          |   |  |
|          | 19                         | 1        |          |                    |          |          |          |          |          |   |  |
|          | 20                         | 1        |          | Г                  |          |          |          |          |          |   |  |
|          | 20<br>21                   | 1        |          | Г                  |          |          |          | Π        | Π        |   |  |
|          | 22                         |          |          | Γ                  |          |          | Г        |          |          |   |  |
|          | 23<br>24                   |          |          |                    |          | Г        | Π        | Π        | Γ        |   |  |
|          | 24                         |          |          |                    |          |          |          |          |          |   |  |
|          | 25                         |          |          |                    |          |          | ,        |          |          |   |  |
|          | 26<br>27                   |          |          |                    |          |          |          |          |          |   |  |
|          | 27                         |          |          |                    |          |          |          |          |          |   |  |
|          | 28<br>29                   |          |          |                    |          |          |          |          |          |   |  |
|          | 29                         |          |          | L                  |          |          |          |          |          |   |  |
|          | 30                         |          |          |                    |          |          |          |          |          |   |  |
|          | 31<br>32<br>33             |          |          |                    |          |          |          | <u> </u> |          |   |  |
|          | 32                         |          |          |                    |          |          |          |          |          |   |  |
|          |                            |          |          | L                  | L        |          |          | Ĺ        |          |   |  |
|          | 34                         |          |          |                    |          |          |          |          |          |   |  |
|          | 35                         |          |          |                    | Ĺ        |          |          |          |          |   |  |
|          | 36                         |          |          |                    |          |          |          | $\Box$   |          |   |  |
|          | 37                         |          |          |                    |          |          |          |          |          |   |  |
|          | 38                         |          |          |                    |          |          |          |          |          |   |  |
|          | 39                         |          |          | L                  |          |          |          |          |          |   |  |
|          | 40                         | <u> </u> | <u> </u> |                    |          |          |          |          |          |   |  |
|          | 41                         |          | <u> </u> | $oxedsymbol{oxed}$ | _        | <u> </u> | <u> </u> |          | L        | L |  |
|          | 42                         |          | L        |                    |          |          | L        |          |          |   |  |
|          | 43                         |          |          |                    |          |          |          |          |          |   |  |
|          | 44                         |          |          |                    |          |          |          |          |          |   |  |
|          | 45                         |          |          |                    | <u> </u> | L        |          | Ĺ        | Ш        |   |  |
|          | 46                         |          |          |                    |          |          |          |          |          |   |  |
|          | 47                         |          |          |                    |          |          |          |          |          |   |  |
|          | 48                         |          |          |                    |          | L        |          |          |          |   |  |
|          | 49                         |          |          |                    |          |          |          | <u> </u> |          |   |  |
|          | 50                         |          |          |                    |          |          |          |          |          |   |  |

|     | -     |          |          |              |          | <del>, -</del>                                   | -            | —        |  |              |          |
|-----|-------|----------|----------|--------------|----------|--|--------------|----------|--|--------------|----------|
|     | Final | Original |          |              |          |  |              |          |  |              |          |
|     |       | 51       |          |              |          |  |              |          | _  |              |          |
|     |       | 51<br>52 | _        |              |          | T  |              |          | <b></b>  |              |          |
|     |       | 53       |          |              |          | <u> </u>   |              | _        | $\vdash$   |              |          |
|     |       | 53<br>54 | -        | ┢            | _        | _  | ·            |          | <del>                                     </del> | <u> </u>     |          |
|     |       | 55       | $\vdash$ | Ι            |          | $\vdash$   |              | -        | _  |              |          |
| Ì   |       | 56       |          | $\vdash$     |          | $\vdash$   |              | $\vdash$ | ┢  | $\vdash$     |          |
|     |       | 56<br>57 | $\vdash$ | -            |          | $\vdash$   | -            | $\vdash$ |  | $\vdash$     |          |
|     |       | 58       | $\vdash$ | <del> </del> | -        | ┢  |              |          | $\vdash$   |              |          |
|     |       | 59       |          | ┢╌           |          | <u> </u>   | $\vdash$     | $\vdash$ | _  | ┢╾           | _        |
| ٠   |       | 60       | <u> </u> | $\vdash$     |          | $\vdash$   | -            | -        | $\vdash$   |              | _        |
|     |       | 61       |          | _            | -        | -  | _            |          | _  | <del> </del> |          |
|     |       | 62       |          |              | $\vdash$ |  |              |          | ┢  | ┢            | _        |
|     |       | 63       |          | $\vdash$     | -        | <del>                                     </del> |              |          | _  | -            |          |
|     |       | 64       |          | $\vdash$     | ┢┈       |  | $\vdash$     | _        |  | -            |          |
|     |       | 64<br>65 |          | -            | ┢        | -  | -            |          | $\vdash$   | $\vdash$     |          |
|     |       | 66       |          | ├            | ┝        | $\vdash$   | $\vdash$     |          | $\vdash$   | -            | -        |
|     |       | 67       | -        | -            | ⊢        | $\vdash$   | $\vdash$     |          |  |              |          |
|     |       | 68       |          | <u> </u>     | ├        | _  | H            | -        |  | ⊢            | ,        |
| 1   |       | 69       |          | $\vdash$     | ⊢        | -  | -            | _        |  | ⊢            | -        |
|     |       | 70       |          |              |          | $\vdash$   |              | -        | -  |              |          |
|     |       | 70<br>71 |          |              | <u> </u> | -  |              | _        | _  |              | -        |
|     |       | 70       | -        | _            | _        |  | _            | H        |  | -            |          |
|     |       | 72<br>73 |          |              | <u> </u> |  | _            | -        | _  | $\vdash$     |          |
|     |       | 74       |          |              |          | $\vdash$   |              | <u> </u> | _  | $\vdash$     |          |
|     |       | 75       |          | -            |          | -  |              |          |  |              |          |
| ŀ   |       | 75<br>76 |          | -            |          |  |              |          |  |              | _        |
| -   |       | 77       | _        | -            | H        | _  |              |          |  |              |          |
| -   | -     | 79       |          |              | ⊢        | _  |              | -        |  | -            | -        |
| ł   |       | 78<br>79 |          |              | $\vdash$ |  |              | _        | _  | _            |          |
|     |       | 80       | _        | -            | -        |  |              |          |  |              |          |
| -   |       | 01       |          |              | -        |  | <del> </del> | _        | -  | -            | H        |
|     |       | 81<br>82 |          |              | -        |  |              |          | _  |              | -        |
| -   |       | 83       |          |              | <u> </u> |  |              |          | _  | _            | -        |
| ŀ   |       | 84       |          |              |          |  |              |          | _  |              |          |
| ı   |       | 85       |          |              | _        | _  |              | _        | -  |              |          |
|     |       | 86       | _        |              |          | _  |              |          |  | -            |          |
| ŀ   |       | 87       |          | _            | _        | _  |              |          |  |              |          |
|     |       | 88       |          |              |          | $\vdash$   |              |          |  |              | •        |
| ŀ   | -     | 89       |          |              |          | Н  |              | -        |  | -            |          |
| ł   |       | 90       |          | -            |          | Н  | _            |          | _  |              |          |
| ł   |       | 91       |          |              |          | Н  |              |          | -  | _            |          |
| ł   |       |          |          |              | -        |  |              | _        |  |              |          |
| ł   |       | 92<br>93 |          |              |          | Н  |              |          | -  |              | $\vdash$ |
| 1   |       | 94       |          |              |          |  |              |          |  |              |          |
| ł   |       | 95       | $\vdash$ | -            |          | Н  |              |          |  |              |          |
| ŀ   | -     | 96       | $\vdash$ |              |          | $\dashv$   | -            |          |  |              |          |
| ŀ   |       | 97       | $\vdash$ |              |          | $\vdash$   | $\vdash$     | $\vdash$ | -  |              | _        |
| ŀ   |       | 98       |          |              |          | $\vdash$   | $\vdash$     | -        | $\vdash$   |              |          |
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| ł   |       | 100      | $\dashv$ |              |          |  | -            |          | $\vdash$   |              | _        |
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| Cl    | aim               | Date           |              |              |          |   |              |  |          |              |  |  |
|-------|-------------------|----------------|--------------|--------------|----------|---|--------------|--|----------|--------------|--|--|
|       |                   | Date           |              |              |          |   |              |  |          |              |  |  |
| Final | Original          |                |              |              |          |   |              |  |          |              |  |  |
|       | 101<br>102<br>103 |                |              |              |          |   |              |  |          |              |  |  |
|       | 102               |                |              |              |          |   |              |  |          |              |  |  |
|       | 103               |                |              |              |          |   |              |  |          |              |  |  |
|       | 104               |                |              |              |          |   |              |  |          |              |  |  |
|       | 104<br>105        |                |              |              |          |   |              |  |          |              |  |  |
|       | 106               |                |              |              |          |   |              |  |          |              |  |  |
|       | 107               |                |              |              |          |   |              |  |          |              |  |  |
|       | 108               |                |              |              |          |   |              |  |          |              |  |  |
|       | 109               |                |              | L            | <u> </u> |   |              |  |          |              |  |  |
|       | 110               |                |              |              |          |   |              |  |          |              |  |  |
|       | 111               |                | _            | L            |          | L   | L            |  |          |              |  |  |
|       | 112<br>113        | L              | L            |              |          | L   | _            | _  |          |              |  |  |
|       | 113               | Ĺ              |              | L            |          |   | L            | _  |          |              |  |  |
|       | 114               |                |              | L            |          |   |              |  |          |              |  |  |
|       | 115<br>116        | _              |              | L_           | <u></u>  | <u></u>   | _            | L  | L        | L            |  |  |
|       | 116               | _              |              | <u> </u>     | <u>L</u> |   | _            |  |          |              |  |  |
|       | 117               |                | <u> </u>     | L            | <u> </u> |   | _            | L  | ·        |              |  |  |
|       | 118<br>119        | _              | _            | L.           |          |   |              | L  | <u> </u> |              |  |  |
|       | 119               | <u></u>        |              |              | <u> </u> |   |              | L  |          |              |  |  |
|       | 120               | _              |              | <u> </u>     |          | <u> </u>  |              | _  |          |              |  |  |
|       | 120<br>121<br>122 | L              |              | _            |          |   | L            |  |          |              |  |  |
| !     | 122               | _              | _            | <u> </u>     |          | _   | L            |  |          |              |  |  |
| · .   | 123<br>124        |                | _            | <u> </u>     |          | _   |              |  |          |              |  |  |
|       | 124               | _              | <u> </u>     | L_           |          | $ldsymbol{le}}}}}}$ |              |  | _        |              |  |  |
|       | 125               |                | ļ            | <u> </u>     |          | <u> </u>  |              | <u> </u>   | L_       |              |  |  |
|       | 126<br>127<br>128 |                | _            | <u> </u>     | <u> </u> | <u> </u>  | _            |  |          |              |  |  |
|       | 127               |                | _            | <u> </u>     | ļ        | <u> </u>  |              | _  | _        | _            |  |  |
|       | 128               | _              | <u> </u>     |              |          | <u> </u>  | ļ            |  | <u> </u> | $oxed{oxed}$ |  |  |
|       | 129<br>130        | ļ              | <u> </u>     | ļ            | <u> </u> | <u> </u>  |              | _  | ļ        |              |  |  |
|       | 130               | <u> </u>       | ┞            |              | _        | <u> </u>  |              | _  | _        |              |  |  |
|       | 131<br>132        | <u> </u>       |              | _            |          |   |              | L  | _        | <u> </u>     |  |  |
|       | 132               |                |              |              | <u> </u> | _   | ļ            |  | <u> </u> | _            |  |  |
|       | 133               | _              | ├            | _            | -        |   |              | Ŀ  |          | Щ            |  |  |
|       | 134<br>135        | ┝              |              | <u> </u>     | _        | ├   | ├            | <u> </u>   | -        | H            |  |  |
|       | 135               |                | -            |              | <u> </u> | <del> </del>  | <u> </u>     |  | ⊢        | _            |  |  |
|       | 136               | ⊢              | _            | ┝            |          | ⊢   |              |  |          |              |  |  |
|       | 137               | ⊢              | <u> </u>     | ┝            | _        | <u> </u>  | ├            | <u> </u>   | -        |              |  |  |
|       | 138<br>139        | -              |              | <del> </del> |          | <u> </u>  | $\vdash$     | $\vdash$   | <u> </u> | $\vdash$     |  |  |
|       | 4 4 6             | $\vdash$       | ├-           | -            |          | ⊢   | <del> </del> | ├  | $\vdash$ |              |  |  |
|       | 140               | $\vdash$       | $\vdash$     |              |          | $\vdash$  |              | $\vdash$   | $\vdash$ | Н            |  |  |
|       | 142               | $\vdash$       | <del> </del> | $\vdash$     | H        | <b>—</b>  | $\vdash$     | ├  | $\vdash$ | ┝╾┥          |  |  |
|       | 143               | $\vdash$       | ├            |              | <u> </u> | -   | <u> </u>     | $\vdash$   | $\vdash$ | Н            |  |  |
|       | 144               | <del> </del> — | ⊢            | $\vdash$     | <u> </u> | <del> </del>  | $\vdash$     | <del> </del>                                     | $\vdash$ | Н            |  |  |
|       | 145               | $\vdash$       | -            |              | $\vdash$ |   | $\vdash$     | $\vdash$   | $\vdash$ | Н            |  |  |
|       | 146               | $\vdash$       | -            | $\vdash$     | $\vdash$ | Н   | $\vdash$     | $\vdash$   |          | Н            |  |  |
|       | 147               | <del> </del>   | <u> </u>     | -            | -        | $\vdash$  | $\vdash$     | $\vdash$   | $\vdash$ | Н            |  |  |
|       | 148               | <u> </u>       |              | $\vdash$     |          | H   | -            | <del> </del>                                     | -        | $\vdash$     |  |  |
|       | 149               | $\vdash$       | Η-           | $\vdash$     | $\vdash$ | $\vdash$  | -            | <del>                                     </del> | $\vdash$ | Н            |  |  |
|       | 150               | <del> </del>   |              | $\vdash$     | Н        | $\vdash$  | Н            | $\vdash$   |          | Н            |  |  |
| 1     | , 50              | ı              |              |              |          |   |              |  |          | . 1          |  |  |